

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. **V2002070A**First Inventor **Kwong-Onn C. Chan**Title **DRILL STRING SHUTOFF VALVE**Express Mail Label No. **EV 342413301 US**22278 U.S.P.T.O.  
10/6/7917

100203

ADDRESS TO: Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

1.  Fee Transmittal Form PTO/SB/17 (in duplicate)
2.  Applicant claims small entity status. See 37 CFR 1.27.
3.  Specification [Total Pages 29] (preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to a sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
5.  Oath or Declaration [Total Sheets 3]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 19 completed)
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6.  Application Data Sheet. See 37 CFR 1.76.
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

19. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)    of prior application No. 10/321,087

Prior Application Information:    Examiner: \_\_\_\_\_ Group Art Unit: 3672

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**20. CORRESPONDENCE ADDRESS**

Direct all correspondence to:

Customer Number or Bar Code Label:

<input checked="" type="checkbox"/> Firm Name	<b>BRACEWELL &amp; PATTERSON, L.L.P.</b>			
---	--	--	--	--

Address	<b>Attention: James E. Bradley</b>			
---------	------------------------------------	--	--	--

Address	<b>P. O. Box 61389</b>			
---------	------------------------	--	--	--

City	<b>Houston</b>	State	<b>Texas</b>	ZIP	<b>77208-1389</b>
------	----------------	-------	--------------	-----	-------------------

Country	<b>United States</b>	Telephone	<b>(713) 221-3301</b>	Fax	<b>(713) 222-3287</b>
---------	----------------------	-----------	-----------------------	-----	-----------------------

Name (Print/Type)	<b>James E. Bradley</b>	Registration No.	<b>27,536</b>
-------------------	-------------------------	------------------	---------------

Signature	<i>James E. Bradley</i>	Date	<i>Oct 2, 2003</i>
-----------	-------------------------	------	--------------------

# FEETRANSMITTAL

## for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** **810.00****METHOD OF PAYMENT** (check all that apply) Check Enclosed The Director is authorized to charge fee(s) indicated below, charge any additional fee(s) or any underpayment of fees, and credit any overpayments to:**DEPOSIT ACCOUNT NO.: 22-0279 (V2003012)**

Deposit Account Name:

ABB VETCO GRAY INC.

**FEET CALCULATION****1. Basic Filing Fee**

Large Fee Code	Large Entity Fee (\$)	Small Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1254	\$ 1,480	2254	\$ 740	Extension for reply within fourth month	\$
						1255	\$ 2,010	2255	\$ 1,005	Extension for reply within fifth month	\$
1001	\$770	2001	\$385	Utility Filing Fee	\$ 770.00	1401	\$ 330	2401	\$ 165	Notice of Appeal	\$
1002	\$340	2002	\$170	Design Filing Fee	\$	1402	\$ 330	2402	\$ 165	Filing a brief in support of an appeal	\$
1003	\$530	2003	\$265	Plant Filing Fee	\$	1403	\$ 290	2403	\$ 145	Request for oral hearing	\$
1004	\$770	2004	\$385	Reissue Filing Fee	\$	1451	\$ 1,510	1451	\$ 1,510	Petition to institute a public use proceeding	\$
1005	\$160	2005	\$ 80	Provisional Filing Fee	\$	1452	\$ 110	2452	\$ 55	Petition to revive – unavoidable	\$
				<b>Subtotal (1)</b>	\$ 770.00	1453	\$ 1,330	2453	\$ 665	Petition to revive – unintentional	\$

**2. Extra Claim Fees for Utility and Reissue**

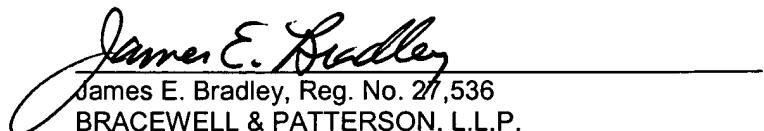
Claims	Extra	Fee (below)	Fee Paid	1502	\$ 480	2502	\$ 240	Design issue fee	\$			
Total	<u>20-20** =</u>	0	x	\$	=	\$	1460	\$ 130	1460	\$ 130	Petitions to the Commissioner	\$
Indep.	<u>3- 3** =</u>	0	x	\$	=	\$	1807	\$ 50	1807	\$ 50	Processing fee under 37 CFR 1.17(q)	\$
Multiple Dependent							1806	\$ 180	1806	\$ 180	Submission of Information Disclosure Statement	\$

\*\*or number previously paid, if greater

For Reissues, see below

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	1809	\$ 770	2809	\$ 385	Filing a submission after final rejection (37 CFR 1.129(a))	\$	
			1810	\$ 770	2810	\$ 385	For each additional invention to be examined (37 CFR 1.129(b))	\$	
\$ 18	\$ 9	Claims in excess of 20	1801	\$ 770	2801	\$ 385	Request for Continued Examination (RCE)	\$	
\$ 86	\$ 43	Independent claims in excess of 3	1802	\$ 900	1802	\$ 900	Request for expedited examination of a design application	\$	
\$290	\$145	Multiple dependent claim, if not paid	8021	\$ 40	8021	\$ 40	Recording each patent assignment per property (times number of properties)	\$ 40.00	
\$ 86	\$ 43	**Reissue independent claims over original patent		Other Fee (specify)				\$	
\$ 18	\$ 9	**Reissue claims in excess of 20 and over original patent		Other Fee (specify)				\$	
				*Reduced by Basic Filing Fee Paid					
		<b>Subtotal (2)</b>	\$ -0-						
							<b>Subtotal (3)</b>	\$ 40.00	

**SUBMITTED BY**Date: Oct 2, 2003

  
 James E. Bradley, Reg. No. 27,536  
 BRACEWELL & PATTERSON, L.L.P.  
 P. O. Box 61389, Houston, Texas 77208-1389  
 Telephone: (713) 221-3301 Facsimile: (713) 222-3287

**CERTIFICATE OF EXPRESS MAIL UNDER 37 CFR § 1.10**

I, Terrie Lindquist, hereby certify that this correspondence and its attachments are being deposited with the United States Postal Service as Express Mail, Express Mail Label No. EV 342413301 US, in an envelope on the date indicated, addressed to Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: *Terrie Lindquist*

Date: 10-02-2003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:	§	
	§	Docket No.: V2003012
Kwong-Onn C. Chan et al.	§	
	§	Art Unit: To be assigned
Serial No.: To be assigned	§	
	§	Examiner: To be assigned
Filed: Herewith	§	
For: DRILL STRING SHUTOFF VALVE	§	

**TRANSMITTAL LETTER**

**Mail Stop: PATENT APPLICATION**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are the following documents:

1. Patent Application;
2. Utility Patent Application Transmittal;
3. Fee Transmittal;
4. Declaration and Power of Attorney;
5. Assignment and Recordation Form Cover Sheet;
6. Certificate of Express Mail Under 37 CFR 1.10; and
7. Our return postcard, which we would appreciate your date stamping and returning to us upon receipt.

I hereby authorize the Commissioner for Patents to charge any fees that may be required or credit any overpayment to ABB Vetco Gray Inc. Deposit Account No. 22-0279 (Order No. V2003012).

Respectfully submitted,

Date: Oct 2, 2003

*James E. Bradley*  
James E. Bradley, Registration No. 27,536  
BRACEWELL & PATTERSON, L.L.P.  
P. O. Box 61389  
Houston, Texas 77208-1389  
Direct Phone: (713) 221-3301  
Direct Fax: (713) 222-3287  
ATTORNEY FOR APPLICANT